

FIG 1

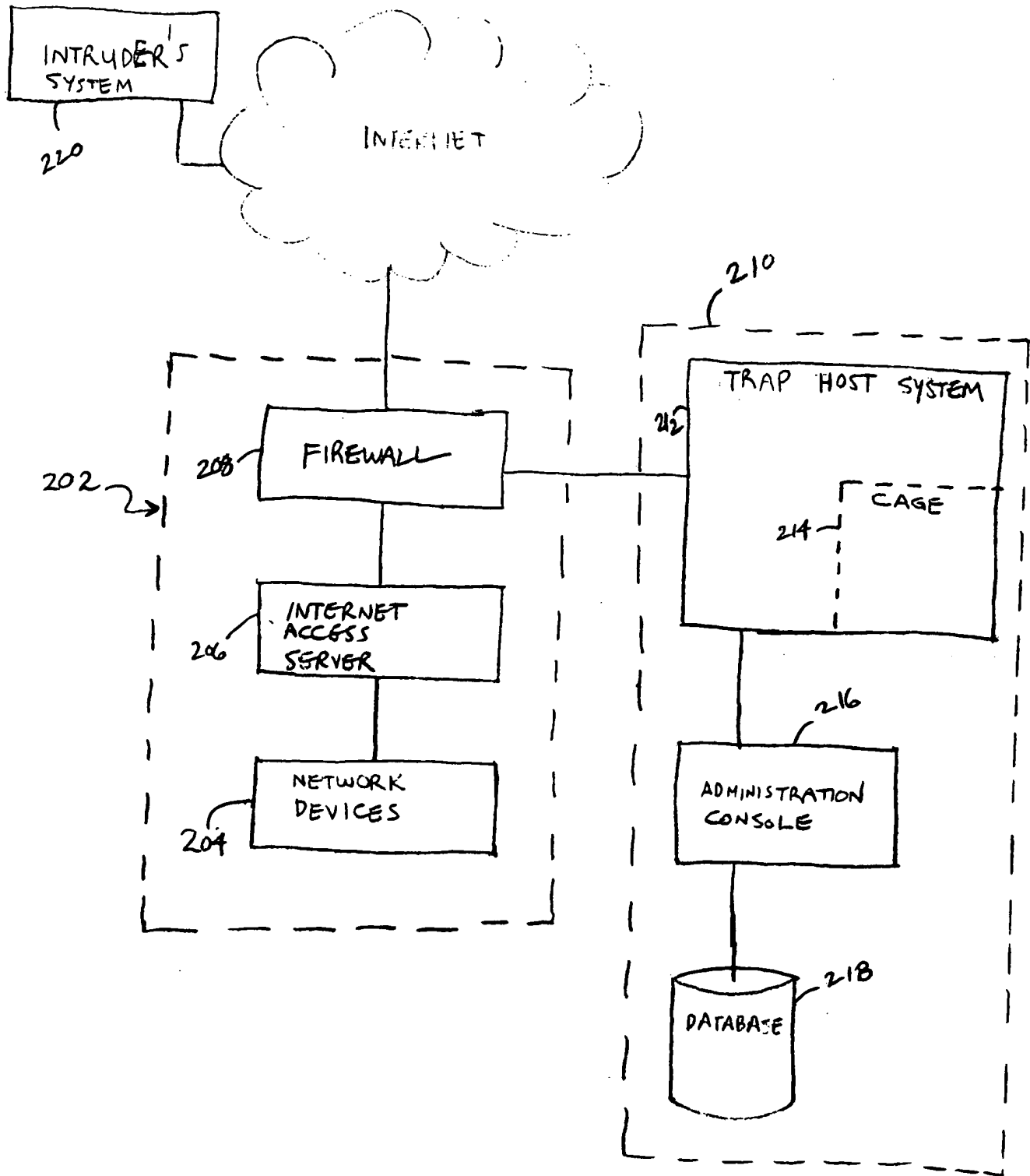


FIG. 2

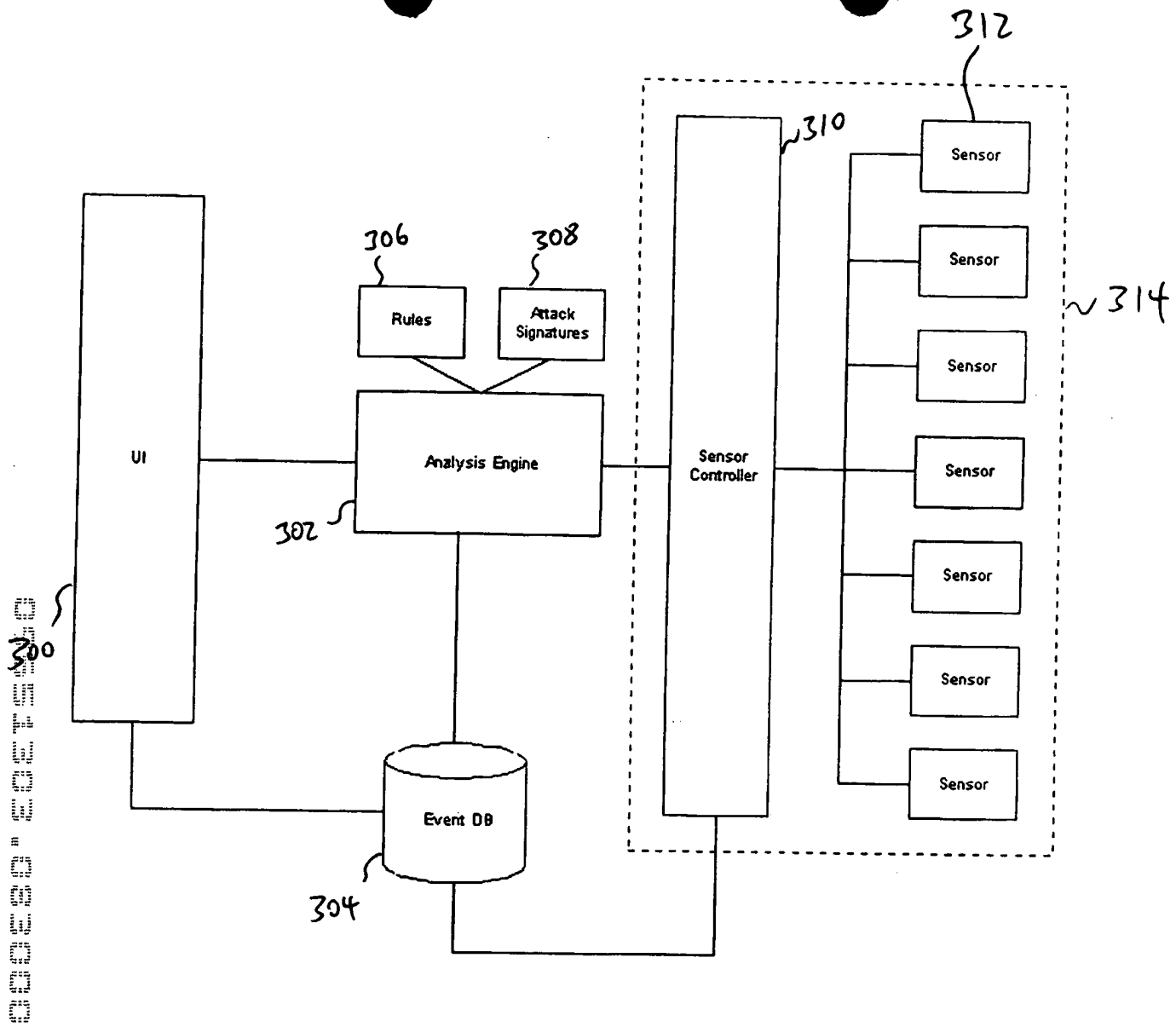


FIG. 3

# Pattern of Remote Break-in

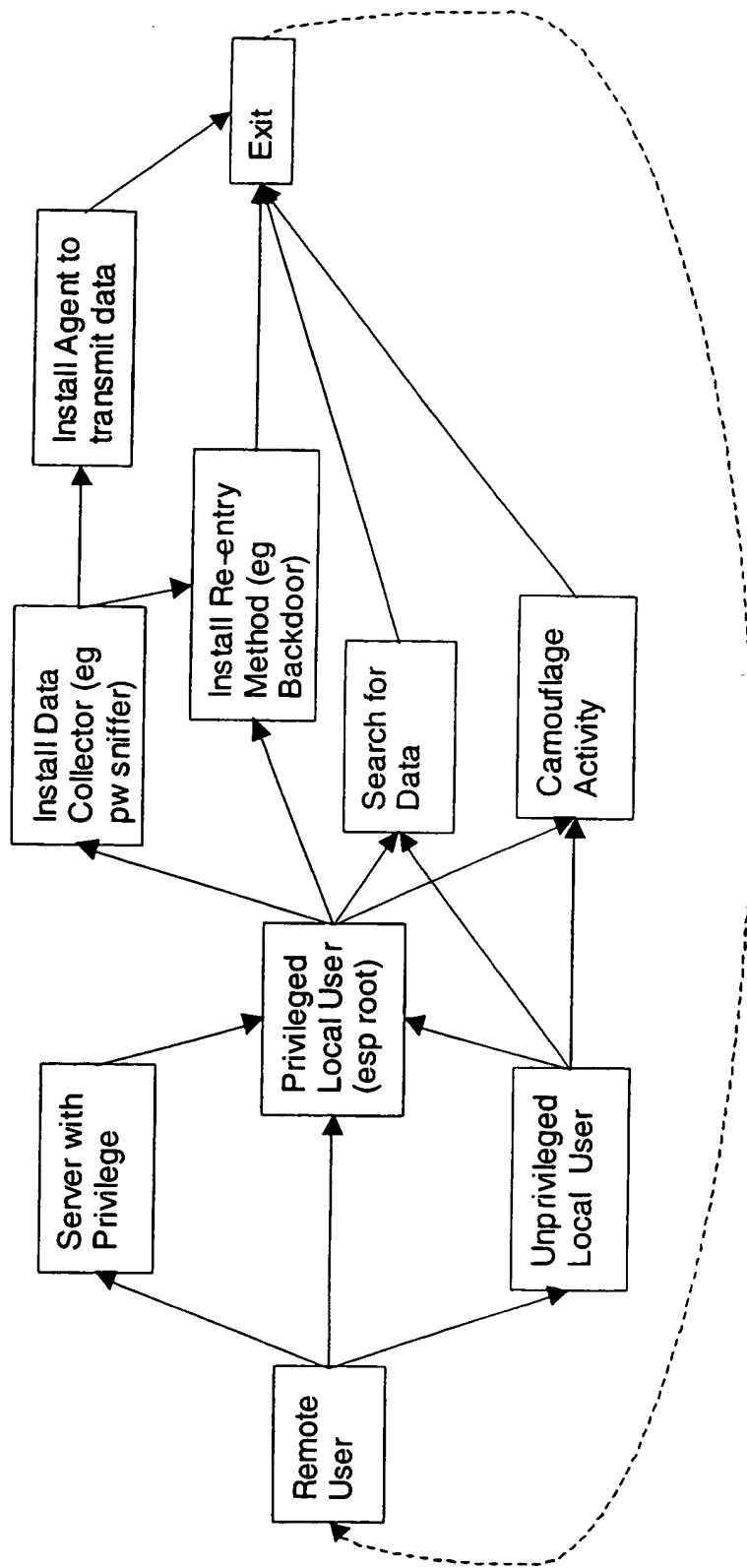


Fig 4

## Timeline

04:55:41

Suspicious login – user jsmith ☒ from host snafu.com

Basis: (future) login at 2000-08-16 07:03:16

Suspicious login - rhost snafu.com ☒ from user tjones

Basis: suspicious login at 2000-08-16 04:55:41 ☒

Suspicious file - /home/tjones/eject-exp.uu - owner & modification time ☒

07:03:16

Suspicious login – user jsmith ☒ from host foobar.com

**Basis: proximity of eject exploit (+00:01:07)**

Probable exploit to root - eject ☒

☒ Suspicious file - /root/.rhosts - mtime☒ Suspicious file - /etc/passwd - mtime

07:04:23

07:04:07

07:04:09

File 5

```
graph TD; AE[Analysis engine]; RulesDB[Rules DB]; FactsDB[Facts DB]; facts[facts] -- forward-chaining --> inferences[inferences]; inferences -- backward-chaining --> subgoals[sub-goals]; subgoals -- backward-chaining --> goals[goals];
```

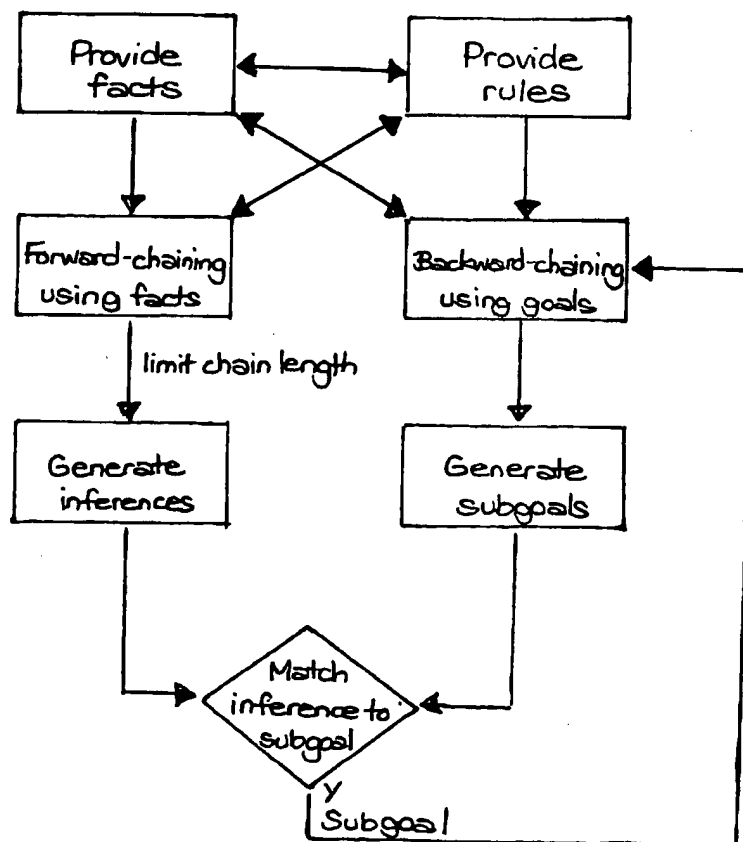


FIG. 6

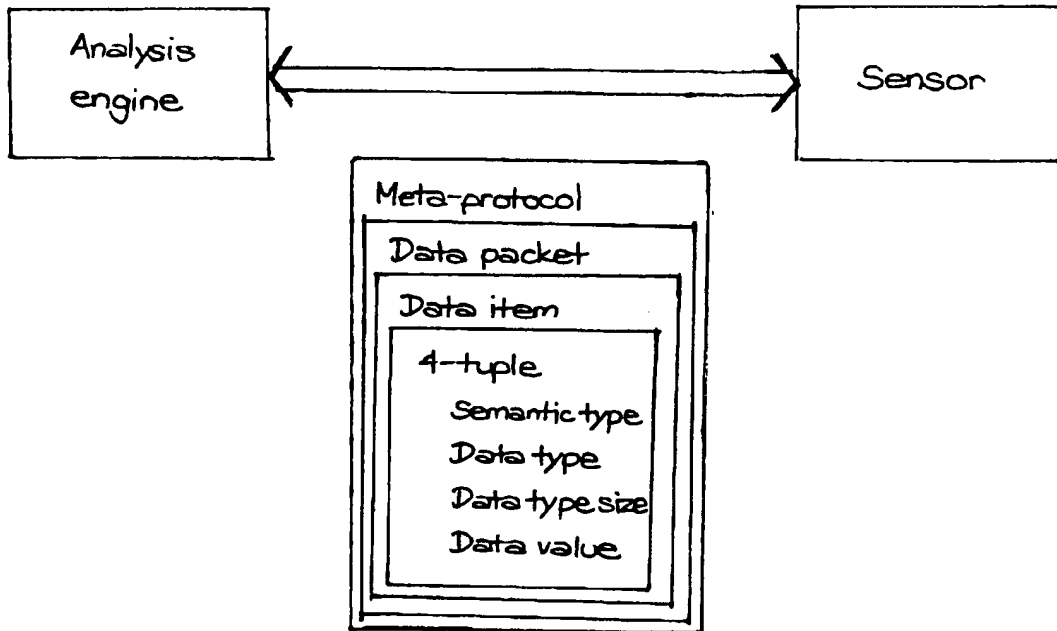


FIG. 7

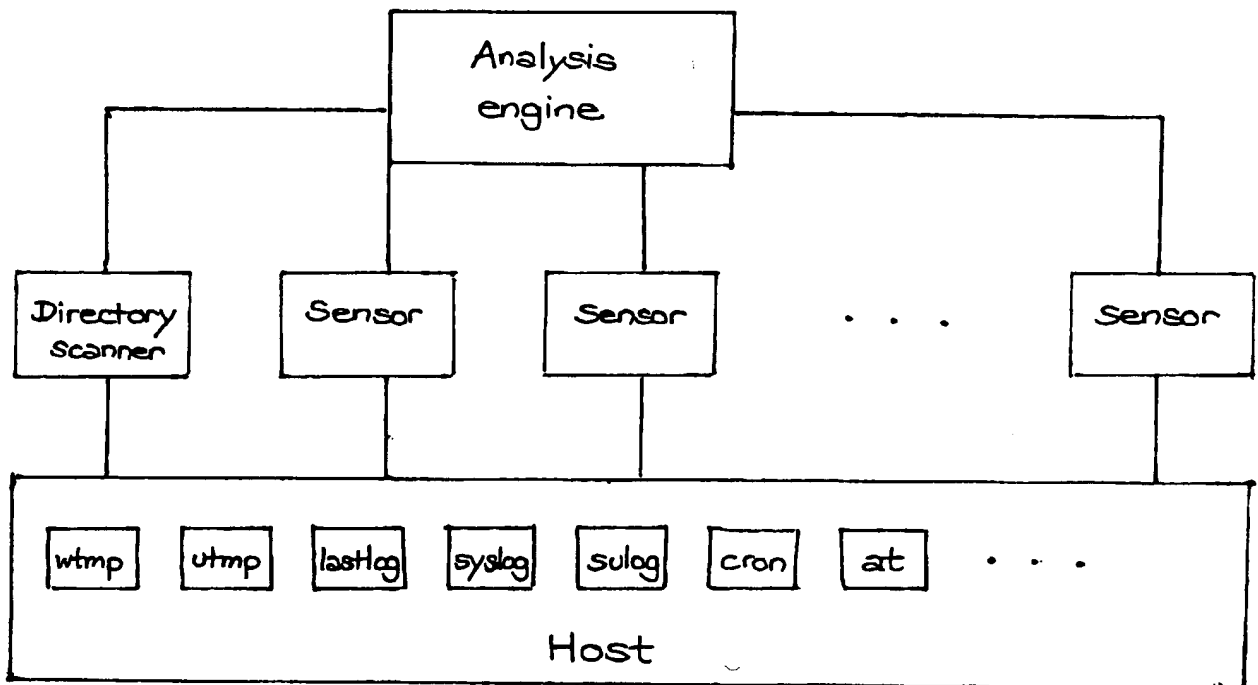


FIG. 8

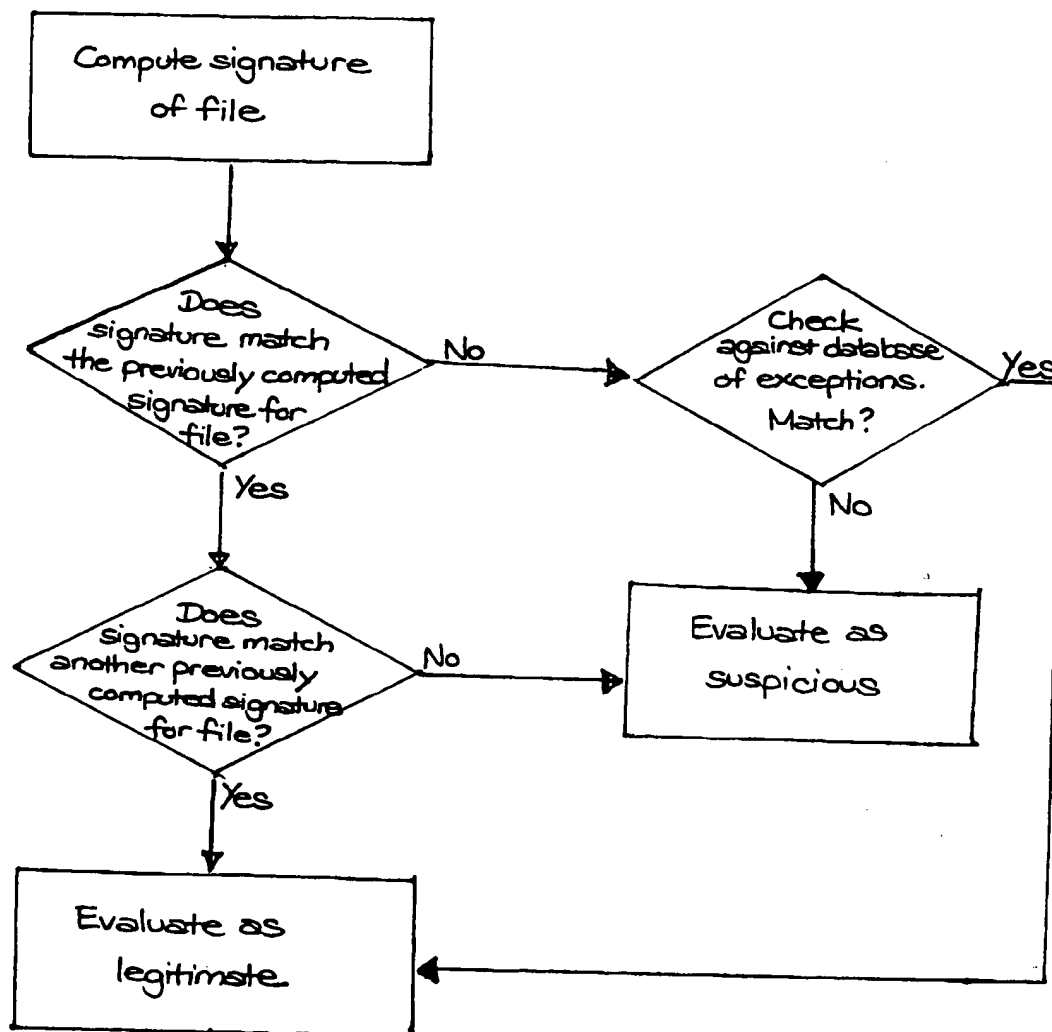


FIG. 9



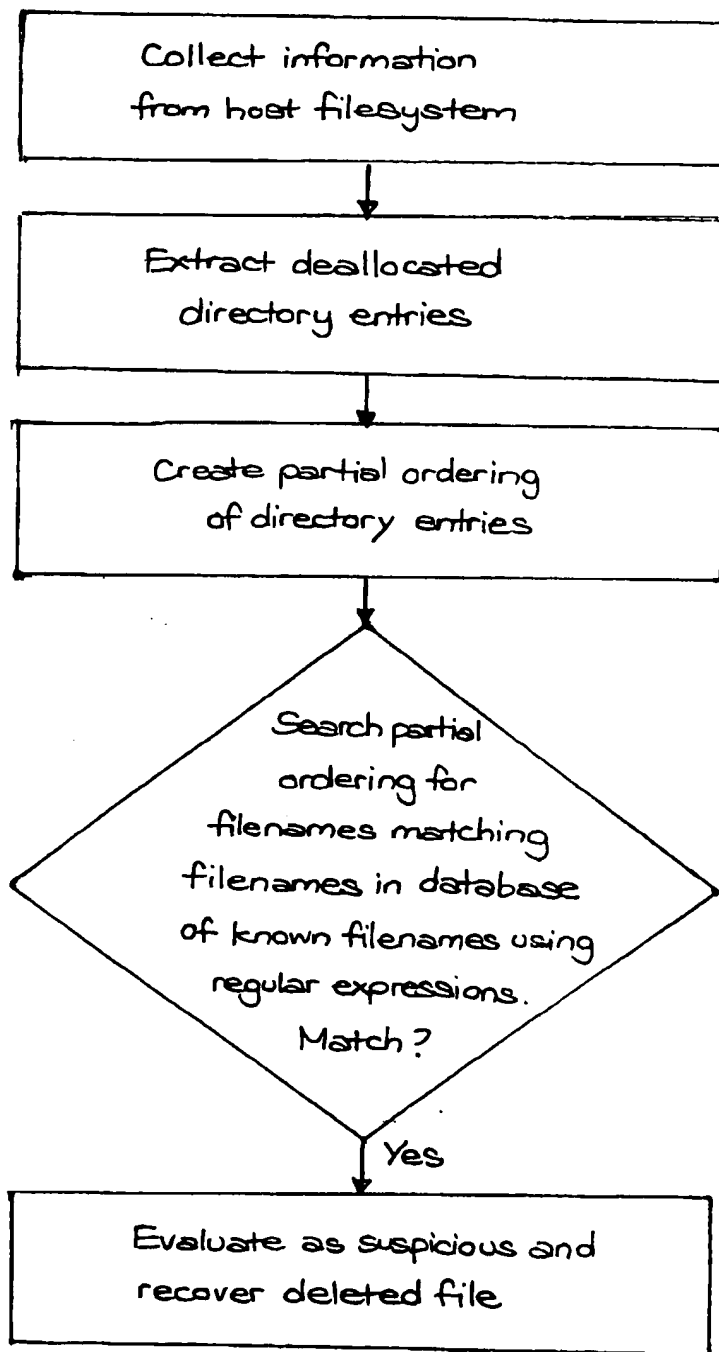


FIG. 10

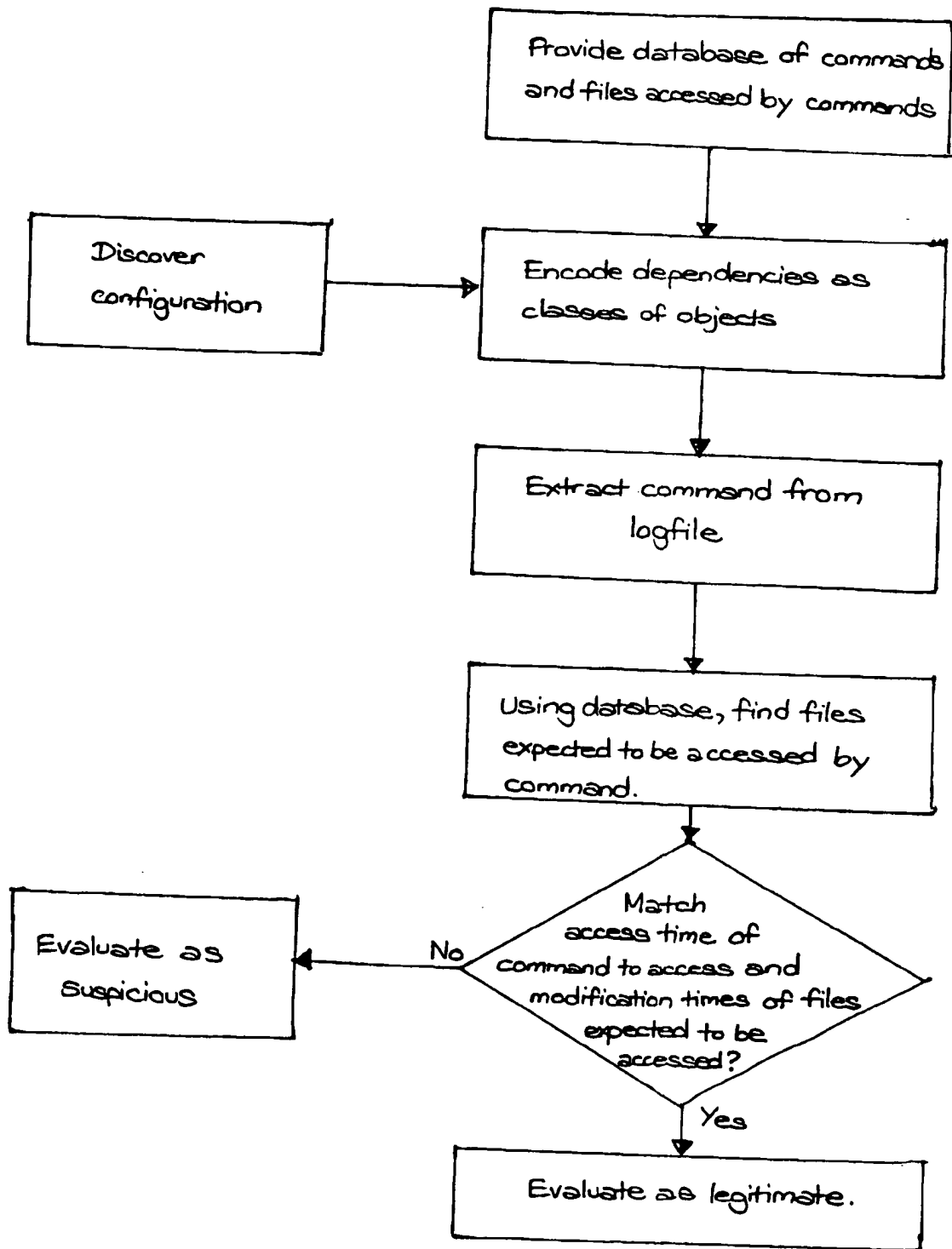


FIG. 11

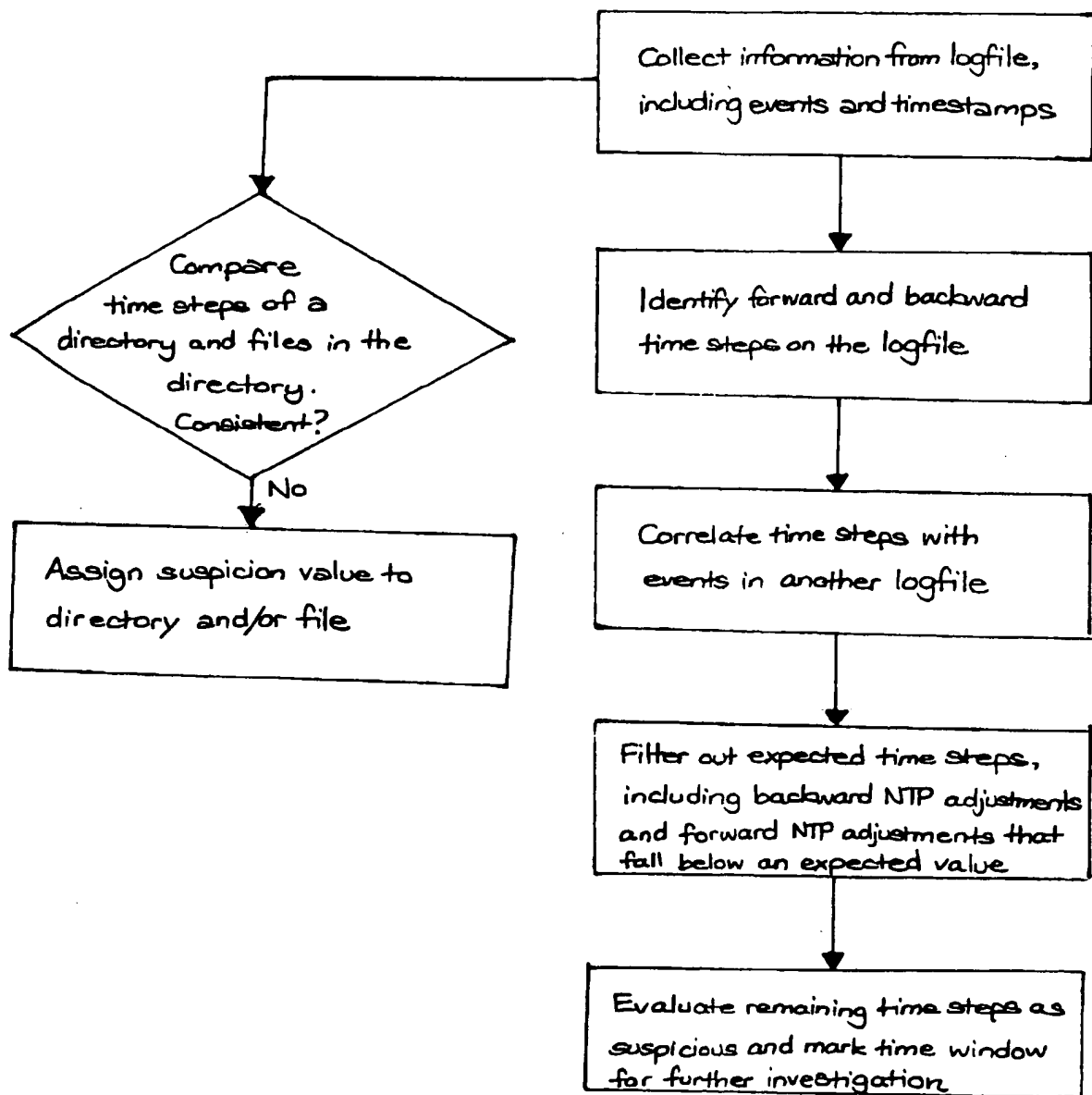


FIG. 12